

Water-Data Report 2008

**355428080493001 Local number IR-165, NCDENR Allison Woods Research Station MW-2S (Regolith),  
near Turnersburg, NC**

Piedmont and Blue Ridge crystalline-rock aquifers  
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'28.09", long 80°49'30.19" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03040102, 1.7 mi east of U.S. Interstate 77, 0.4 mi north of U.S. Highway 21 on Allison Woods Foundation property. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 38 ft, diameter 4 in., cased to 23 ft, screened interval from 23 ft to 38 ft, sand filter packed from 20 ft to 38 ft.

DATUM.--Land-surface datum is 870.93 ft above North American Vertical Datum of 1988. Measuring point: top of instrument shelf floor, 2.78 ft above land-surface datum, June 14, 2007, to present.

PERIOD OF RECORD.--May 2006 to current year. Continuous record began January 2008.

GAGE.--Measured periodically with electric tape (by USGS and NCDENR, Division of Water Quality). Water-level recorder collecting data at 60-minute intervals. Satellite telemetry at station.

REMARKS.--Well is part of Piedmont/Mountains groundwater project.

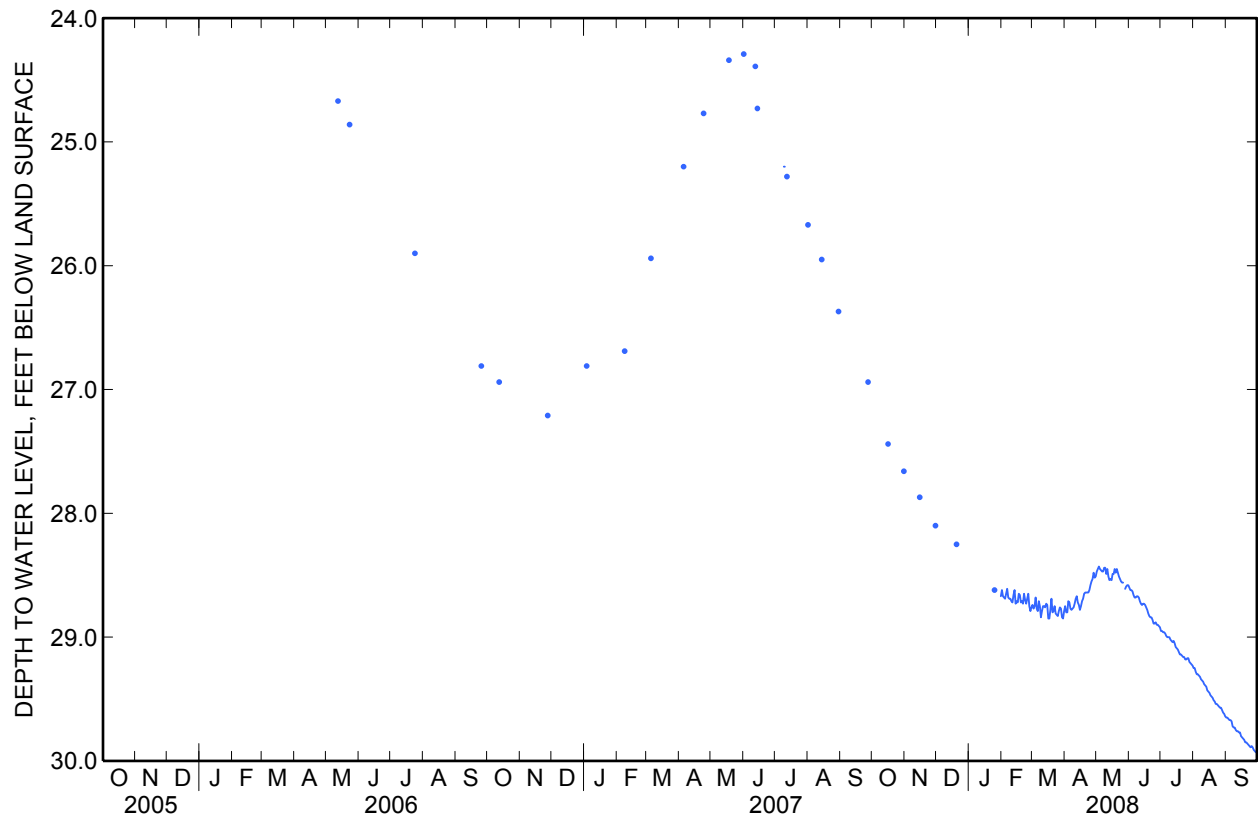
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.29 ft below land-surface datum, June 1, 2007; lowest water level recorded, 29.94 ft below land-surface datum, September 28, 29, 30, 2008.

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**DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	28.62	28.74	28.75	28.47	28.60	28.95	29.25	29.65
2	---	---	---	---	28.67	28.77	28.80	28.45	28.62	28.95	29.25	29.65
3	---	---	---	---	28.68	28.75	28.80	28.43	28.62	28.96	29.28	29.66
4	---	---	---	---	28.69	28.68	28.71	28.45	28.63	28.96	29.30	29.67
5	---	---	---	---	28.65	28.77	28.72	28.46	28.66	28.97	29.30	29.67
6	---	---	---	---	28.61	28.79	28.77	28.47	28.68	28.99	29.31	29.68
7	---	---	---	---	28.68	28.71	28.78	28.47	28.68	29.00	29.32	29.72
8	---	---	---	---	28.69	28.75	28.77	28.44	28.67	29.00	29.34	29.73
9	---	---	---	---	28.69	28.84	28.76	28.44	28.67	29.00	29.35	29.73
10	---	---	---	---	28.71	28.79	28.73	28.49	28.68	29.02	29.36	29.75
11	---	---	---	---	28.72	28.75	28.69	28.45	28.71	29.03	29.38	29.76
12	---	---	---	---	28.66	28.75	28.67	28.51	28.73	29.04	29.39	29.76
13	---	---	---	---	28.62	28.76	28.72	28.54	28.74	29.03	29.40	29.77
14	---	---	---	---	28.73	28.73	28.74	28.53	28.73	29.05	29.43	29.77
15	---	---	---	---	28.71	28.74	28.78	28.54	28.73	29.08	29.44	29.80
16	---	---	---	---	28.72	28.85	28.75	28.49	28.74	29.09	29.45	29.81
17	---	---	---	---	28.65	28.85	28.71	28.49	28.76	29.10	29.47	29.82
18	---	---	---	---	28.66	28.78	28.69	28.45	28.78	29.12	29.48	29.83
19	---	---	---	---	28.72	28.69	28.65	28.48	28.81	29.14	29.49	29.85
20	---	---	---	---	28.71	28.80	28.64	28.45	28.83	29.14	29.51	29.85
21	---	---	---	---	28.73	28.79	28.64	28.48	28.84	29.15	29.52	29.86
22	---	---	---	---	28.65	28.75	28.64	28.51	28.84	29.16	29.54	29.87
23	---	---	---	---	28.70	28.81	28.64	28.53	28.86	29.16	29.54	29.88
24	---	---	---	---	28.73	28.82	28.62	28.55	28.89	29.18	29.55	29.89
25	---	---	---	---	28.69	28.83	28.58	28.56	28.89	29.18	29.56	29.88
26	---	---	---	---	28.65	28.79	28.55	28.56	28.88	29.17	29.57	29.89
27	---	---	---	---	28.75	28.76	28.53	---	28.90	29.17	29.57	29.91
28	---	---	---	---	28.79	28.77	28.48	28.61	28.90	29.20	29.59	29.92
29	---	---	---	---	28.76	28.84	28.52	28.59	28.91	29.21	29.61	29.93
30	---	---	---	---	---	28.85	28.51	28.58	28.92	29.22	29.62	29.93
31	---	---	---	---	---	28.79	---	28.58	---	29.23	29.64	---
Mean	---	---	---	---	28.69	28.78	28.68	---	28.76	29.09	29.45	29.80
Max	---	---	---	---	28.79	28.85	28.80	---	28.92	29.23	29.64	29.93
Min	---	---	---	---	28.61	28.68	28.48	---	28.60	28.95	29.25	29.65

355428080493001 Local number IR-165, NCDENR Allison Woods Research Station MW-2S (Regolith), near Turnersburg, NC—Continued



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### **WATER-QUALITY RECORDS**

PERIOD OF RECORD.--January 2008 to September 2008.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 2008 to September 2008.

pH: January 2008 to September 2008.

WATER TEMPERATURE: January 2008 to September 2008.

DISSOLVED OXYGEN: January 2008 to September 2008.

DISSOLVED OXYGEN, PERCENT SATURATION: January 2008 to September 2008.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from January 2008 to September 2008.

REMARKS.--Well is part of Piedmont/Mountains groundwater project. Dissolved oxygen, percent saturation, is computed using a barometric pressure of 748 mm Hg.

COOPERATION.--Station operated in cooperation with North Carolina Department of Environment and Natural Resources (NCDENR), Division of Water Resources.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 14 microsiemens, May 31, July 20; minimum recorded, 10 microsiemens, on many days during the period.

pH: Maximum recorded, 5.0 standard units, April 10, 11, 12, 13, 14; minimum recorded, 4.6 standard units, on several days during the period.

WATER TEMPERATURE: Maximum recorded, 14.2°C, on many days during the period; minimum recorded, 14.0°C, on many days during the period.

DISSOLVED OXYGEN: Maximum recorded, 9.3 mg/L, February 29, April, 8, 10, 12; minimum recorded, 7.5 mg/L, May 25, 26.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 92%, February 29, April 8, 10, 12 ; minimum recorded, 74%, May 25, 26.

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**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
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23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	13	13	13	12	12	12	11	11	11	12	10	11
2	13	13	13	12	12	12	11	11	11	12	10	11
3	13	13	13	12	12	12	11	11	11	10	10	10
4	13	13	13	12	12	12	11	11	11	10	10	10
5	13	13	13	12	12	12	11	11	11	10	10	10
6	13	13	13	12	12	12	11	11	11	10	10	10
7	13	13	13	12	12	12	11	11	11	11	10	11
8	13	13	13	12	12	12	11	11	11	11	11	11
9	13	13	13	12	12	12	11	11	11	11	11	11
10	13	13	13	12	12	12	11	11	11	11	11	11
11	13	13	13	12	12	12	11	11	11	11	11	11
12	13	13	13	12	12	12	11	11	11	11	11	11
13	13	13	13	12	12	12	11	11	11	11	11	11
14	13	12	12	12	12	12	11	11	11	11	11	11
15	12	12	12	12	12	12	11	11	11	11	11	11
16	12	12	12	12	12	12	11	11	11	11	11	11
17	12	12	12	12	11	11	11	10	11	11	11	11
18	12	12	12	11	11	11	10	10	10	11	11	11
19	12	12	12	11	11	11	10	10	10	11	11	11
20	12	12	12	11	11	11	10	10	10	11	11	11
21	12	12	12	11	11	11	10	10	10	11	11	11
22	12	12	12	11	11	11	10	10	10	11	11	11
23	12	12	12	11	11	11	10	10	10	11	11	11
24	12	12	12	11	11	11	10	10	10	11	11	11
25	12	12	12	11	11	11	10	10	10	11	11	11
26	12	12	12	11	11	11	10	10	10	11	11	11
27	12	12	12	11	11	11	10	10	10	---	---	---
28	12	12	12	11	11	11	10	10	10	12	12	12
29	12	12	12	11	11	11	10	10	10	12	12	12
30	---	---	---	11	11	11	10	10	10	---	---	---
31	---	---	---	11	11	11	---	---	---	---	---	---
Month	13	12	12	12	11	12	11	10	11	---	---	---

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**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	13	12	13	13	12	13	13	13	13	13	13	13
2	13	12	12	13	13	13	13	13	13	13	13	13
3	12	12	12	13	13	13	13	13	13	13	13	13
4	12	12	12	13	13	13	13	13	13	13	13	13
5	12	12	12	13	13	13	13	13	13	13	13	13
6	12	12	12	13	13	13	13	13	13	13	13	13
7	12	12	12	13	13	13	13	13	13	13	13	13
8	12	12	12	13	13	13	13	13	13	13	13	13
9	12	12	12	13	13	13	13	13	13	13	13	13
10	12	12	12	13	13	13	13	13	13	13	13	13
11	12	12	12	13	13	13	13	13	13	13	13	13
12	12	12	12	13	13	13	13	13	13	13	13	13
13	12	12	12	13	13	13	13	13	13	13	13	13
14	12	12	12	13	13	13	13	13	13	13	13	13
15	12	12	12	13	13	13	13	13	13	13	13	13
16	12	12	12	13	13	13	13	13	13	13	13	13
17	12	12	12	---	---	---	13	13	13	13	13	13
18	12	12	12	---	---	---	13	13	13	13	13	13
19	12	12	12	---	---	---	13	13	13	13	13	13
20	12	12	12	---	---	---	13	13	13	13	13	13
21	12	12	12	13	13	13	13	13	13	13	13	13
22	12	12	12	13	13	13	13	13	13	13	13	13
23	12	12	12	13	13	13	13	13	13	13	13	13
24	12	12	12	13	13	13	13	13	13	13	13	13
25	12	12	12	13	13	13	13	13	13	13	13	13
26	12	12	12	13	12	13	13	13	13	13	13	13
27	12	12	12	13	13	13	13	13	13	13	13	13
28	12	12	12	13	13	13	13	13	13	13	13	13
29	12	12	12	13	12	13	13	13	13	13	13	13
30	13	12	12	13	13	13	13	13	13	13	13	13
31	---	---	---	13	13	13	13	13	13	---	---	---
Month	13	12	12	---	---	---	13	13	13	13	13	13

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PH, WATER, UNFILTERED, FIELD, STANDARD UNITS  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---



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**PH, WATER, UNFILTERED, FIELD, STANDARD UNITS**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
<b>1</b>	4.9	4.8	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8
<b>2</b>	4.8	4.8	4.8	4.9	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.8
<b>3</b>	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.8
<b>4</b>	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.8
<b>5</b>	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.8
<b>6</b>	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.8
<b>7</b>	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.8
<b>8</b>	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.8
<b>9</b>	4.9	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.8
<b>10</b>	4.9	4.8	4.9	4.8	4.8	4.8	5.0	4.9	4.9	4.8	4.8	4.8
<b>11</b>	4.9	4.9	4.9	4.9	4.8	4.8	5.0	4.9	4.9	4.8	4.8	4.8
<b>12</b>	4.9	4.9	4.9	4.9	4.8	4.8	5.0	5.0	5.0	4.8	4.8	4.8
<b>13</b>	4.9	4.9	4.9	4.9	4.8	4.9	5.0	5.0	5.0	4.8	4.8	4.8
<b>14</b>	4.9	4.9	4.9	4.9	4.9	4.9	---	---	---	4.8	4.8	4.8
<b>15</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.8
<b>16</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.8
<b>17</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8
<b>18</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.9	4.8	4.8	4.8
<b>19</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8
<b>20</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8
<b>21</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8
<b>22</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8
<b>23</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.9
<b>24</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
<b>25</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
<b>26</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
<b>27</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	---	---	---
<b>28</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.9	4.8	4.8	4.8
<b>29</b>	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.8
<b>30</b>	---	---	---	4.9	4.9	4.9	4.8	4.8	4.8	---	---	---
<b>31</b>	---	---	---	4.9	4.9	4.9	---	---	---	4.8	4.7	4.7
<b>Max</b>	4.9	4.9	4.9	4.9	4.9	4.9	---	---	---	---	---	---
<b>Min</b>	4.8	4.8	4.8	4.8	4.8	4.8	---	---	---	---	---	---

355428080493001 Local number IR-165, NCDENR Allison Woods Research Station MW-2S (Regolith), near Turnersburg, NC—Continued

**PH, WATER, UNFILTERED, FIELD, STANDARD UNITS  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.7
2	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
3	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
4	4.8	4.7	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
5	4.8	4.7	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
6	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
7	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
9	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
10	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
11	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
12	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
13	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
14	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
15	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
16	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.6	4.7	4.7	4.7	4.7
17	4.8	4.8	4.8	---	---	---	4.6	4.6	4.6	4.7	4.7	4.7
18	4.8	4.8	4.8	4.7	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.7
19	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.7
20	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.7
21	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.7
22	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.7
23	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.7
24	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.7
25	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.7
26	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.7
27	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.7
28	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.7
29	4.8	4.7	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.7
30	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.7	4.7	4.7
31	---	---	---	4.7	4.7	4.7	4.7	4.6	4.7	---	---	---
Max	4.8	4.8	4.8	---	---	---	4.7	4.7	4.7	4.7	4.7	4.7
Min	4.7	4.7	4.7	---	---	---	4.6	4.6	4.6	4.7	4.6	4.7

355428080493001 Local number IR-165, NCDENR Allison Woods Research Station MW-2S (Regolith), near Turnersburg, NC—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

355428080493001 Local number IR-165, NCDENR Allison Woods Research Station MW-2S (Regolith), near Turnersburg, NC—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2
2	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2
3	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2
4	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2
5	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2
6	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2
7	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2
8	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2
9	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2
10	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2
11	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2
12	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2
13	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2
14	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.1	14.1	14.2	14.2	14.2
15	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2
16	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2
17	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2
18	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2
19	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2
20	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2
21	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2
22	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2
23	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2
24	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2
25	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2
26	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2
27	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	---	---	---
28	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2
29	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2
30	---	---	---	14.1	14.1	14.1	14.2	14.2	14.2	---	---	---
31	---	---	---	14.1	14.1	14.1	---	---	---	---	---	---
Month	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.1	14.2	---	---	---

355428080493001 Local number IR-165, NCDENR Allison Woods Research Station MW-2S (Regolith), near Turnersburg, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
June			July			August			September			
1	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
2	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
3	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
4	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
5	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
6	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
7	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
8	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
9	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
10	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
11	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
12	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
13	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
14	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
15	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
16	14.2	14.2	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
17	14.2	14.1	14.2	---	---	---	14.1	14.1	14.1	14.0	14.0	14.0
18	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
19	14.2	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
20	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
21	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
22	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
23	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0
24	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.1	14.0	14.0	14.0
25	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.1	14.0	14.0	14.0
26	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.1	14.0	14.0	14.0
27	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0	14.0	14.0
28	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0	14.0	14.0
29	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0	14.0	14.0
30	14.1	14.1	14.1	14.1	14.1	14.1	14.0	14.0	14.0	14.0	14.0	14.0
31	---	---	---	14.1	14.1	14.1	14.0	14.0	14.0	---	---	---
Month	14.2	14.1	14.2	---	---	---	14.1	14.0	14.1	14.0	14.0	14.0

355428080493001 Local number IR-165, NCDENR Allison Woods Research Station MW-2S (Regolith), near Turnersburg, NC—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

355428080493001 Local number IR-165, NCDENR Allison Woods Research Station MW-2S (Regolith), near Turnersburg, NC—Continued

**DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	8.5	8.1	8.2	9.1	8.7	8.8	9.1	9.0	9.1	8.4	8.3	8.3
2	8.3	8.1	8.2	8.8	8.7	8.8	9.1	9.0	9.0	8.5	8.3	8.3
3	8.2	8.2	8.2	8.9	8.7	8.8	9.0	9.0	9.0	8.3	8.3	8.3
4	8.6	8.2	8.2	8.9	8.8	8.8	9.1	9.0	9.0	8.3	8.2	8.3
5	8.3	8.1	8.2	8.8	8.7	8.8	9.1	9.0	9.1	8.3	8.2	8.2
6	8.3	8.2	8.2	8.8	8.7	8.8	9.0	9.0	9.0	8.3	8.2	8.2
7	8.4	8.2	8.3	8.9	8.8	8.9	9.0	9.0	9.0	8.3	8.1	8.2
8	8.8	8.3	8.4	8.9	8.8	8.9	9.3	9.0	9.0	8.3	8.1	8.1
9	8.8	8.4	8.6	8.9	8.8	8.8	9.1	9.0	9.1	8.1	8.1	8.1
10	8.8	8.6	8.7	8.9	8.8	8.8	9.3	9.1	9.1	8.2	8.0	8.0
11	8.9	8.6	8.7	9.0	8.8	8.9	9.1	9.0	9.1	8.0	8.0	8.0
12	8.9	8.7	8.8	9.0	8.9	8.9	9.3	9.0	9.1	8.1	7.9	8.0
13	9.0	8.7	8.9	8.9	8.8	8.9	9.1	9.0	9.0	8.0	7.9	7.9
14	8.9	8.7	8.8	8.9	8.8	8.9	---	---	---	8.0	7.8	7.9
15	9.0	8.7	8.9	9.0	8.8	8.9	---	---	---	7.9	7.8	7.9
16	9.1	8.8	8.9	8.9	8.9	8.9	8.9	8.7	8.8	7.9	7.8	7.8
17	9.1	8.8	8.9	8.9	8.9	8.9	9.0	8.7	8.8	8.2	7.8	7.8
18	9.1	8.8	9.0	9.0	8.9	8.9	8.8	8.7	8.7	7.9	7.7	7.8
19	9.2	8.9	9.1	9.0	8.9	9.0	8.7	8.6	8.7	7.8	7.7	7.7
20	9.1	8.8	8.9	9.0	8.9	9.0	8.9	8.6	8.7	7.7	7.7	7.7
21	9.0	8.7	8.8	9.0	8.9	8.9	8.8	8.6	8.7	7.7	7.6	7.7
22	9.0	8.8	8.9	9.0	8.9	8.9	8.8	8.6	8.6	7.7	7.6	7.6
23	9.0	8.8	8.8	9.0	8.9	9.0	8.7	8.5	8.6	7.6	7.6	7.6
24	9.0	8.7	8.8	9.0	9.0	9.0	8.6	8.5	8.5	7.7	7.6	7.6
25	8.9	8.7	8.8	9.0	9.0	9.0	8.6	8.5	8.5	7.7	7.5	7.6
26	8.8	8.7	8.8	9.1	8.9	9.0	8.6	8.4	8.5	7.8	7.5	7.6
27	8.9	8.6	8.7	9.1	9.1	9.1	8.5	8.4	8.4	---	---	---
28	9.2	8.6	8.8	9.1	9.0	9.0	8.6	8.3	8.4	---	---	---
29	9.3	8.6	9.1	9.0	9.0	9.0	8.5	8.4	8.4	---	---	---
30	---	---	---	9.0	9.0	9.0	8.5	8.3	8.4	---	---	---
31	---	---	---	9.1	9.0	9.1	---	---	---	---	---	---
Month	9.3	8.1	8.7	9.1	8.7	8.9	---	---	---	---	---	---

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**DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	8.4	8.3	8.4	8.3	8.3	8.3
2	---	---	---	---	---	---	8.4	8.4	8.4	8.4	8.3	8.4
3	---	---	---	---	---	---	8.4	8.1	8.3	8.4	8.3	8.3
4	---	---	---	---	---	---	8.2	8.1	8.2	8.4	8.3	8.3
5	---	---	---	---	---	---	8.3	8.1	8.2	8.5	8.3	8.3
6	---	---	---	---	---	---	8.5	8.1	8.2	8.4	8.3	8.3
7	---	---	---	---	---	---	8.4	8.1	8.2	8.4	8.3	8.3
8	---	---	---	---	---	---	8.2	8.1	8.2	8.4	8.3	8.3
9	---	---	---	---	---	---	8.3	8.1	8.2	8.3	8.3	8.3
10	---	---	---	---	---	---	8.2	8.0	8.1	8.3	8.2	8.2
11	---	---	---	---	---	---	8.3	8.0	8.1	8.4	8.2	8.3
12	---	---	---	---	---	---	8.3	8.2	8.2	8.4	8.3	8.4
13	---	---	---	---	---	---	8.2	8.1	8.2	8.4	8.3	8.3
14	---	---	---	---	---	---	8.4	8.1	8.2	8.4	8.3	8.3
15	---	---	---	---	---	---	8.3	8.1	8.2	8.4	8.3	8.3
16	---	---	---	---	---	---	8.2	8.1	8.1	8.4	8.3	8.4
17	---	---	---	---	---	---	8.2	8.1	8.1	8.4	8.3	8.4
18	---	---	---	8.3	8.2	8.2	8.2	8.1	8.2	8.4	8.3	8.3
19	---	---	---	8.2	8.2	8.2	8.2	8.1	8.2	8.4	8.2	8.3
20	---	---	---	8.4	8.2	8.2	8.2	8.1	8.2	8.4	8.3	8.3
21	---	---	---	8.3	8.2	8.2	8.2	8.1	8.2	8.4	8.3	8.3
22	---	---	---	8.2	8.2	8.2	8.2	8.1	8.2	8.4	8.3	8.3
23	---	---	---	8.2	8.2	8.2	8.2	8.1	8.2	8.4	8.3	8.4
24	---	---	---	8.3	8.2	8.2	8.1	8.0	8.1	8.4	8.3	8.3
25	---	---	---	8.4	8.2	8.3	8.2	8.1	8.1	8.4	8.3	8.3
26	---	---	---	8.4	8.3	8.4	8.2	8.1	8.2	8.4	8.3	8.3
27	---	---	---	8.4	8.4	8.4	8.2	8.1	8.2	8.4	8.3	8.3
28	---	---	---	8.4	8.3	8.4	8.3	8.1	8.2	8.4	8.3	8.3
29	---	---	---	8.4	8.3	8.3	8.3	8.1	8.3	8.4	8.3	8.3
30	---	---	---	8.3	8.3	8.3	8.3	8.2	8.3	8.4	8.3	8.4
31	---	---	---	8.4	8.3	8.3	8.3	8.2	8.3	---	---	---
Month	---	---	---	---	---	---	8.5	8.0	8.2	8.5	8.2	8.3



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**DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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**DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	84	80	81	90	86	87	90	89	90	83	82	82
2	82	80	81	87	86	87	90	89	89	84	82	82
3	81	81	81	88	86	87	89	89	89	82	82	82
4	85	81	81	88	87	88	90	89	89	82	81	82
5	82	80	81	87	86	87	90	89	90	82	81	81
6	82	81	81	87	86	87	89	89	89	82	81	81
7	83	81	82	88	87	88	89	89	89	82	80	81
8	87	82	83	88	87	88	92	89	89	82	80	80
9	87	83	85	88	87	87	90	89	90	80	80	80
10	87	85	86	88	87	87	92	90	90	81	79	79
11	88	85	86	89	87	88	90	89	90	79	79	79
12	88	86	87	89	88	88	92	89	90	80	78	79
13	89	86	88	88	87	88	90	89	89	79	78	78
14	88	86	87	88	87	88	---	---	---	79	77	78
15	89	86	88	89	87	88	---	---	---	78	77	78
16	90	87	88	88	88	88	88	86	87	78	77	77
17	90	87	88	88	88	88	89	86	87	81	77	77
18	90	87	89	89	88	88	87	86	86	78	76	77
19	91	88	90	89	88	89	86	85	86	77	76	76
20	90	87	88	89	88	89	88	85	86	76	76	76
21	89	86	87	89	88	88	87	85	86	76	75	76
22	89	87	88	89	88	88	87	85	85	76	75	75
23	89	87	87	89	88	89	86	84	85	75	75	75
24	89	86	87	89	89	89	85	84	84	76	75	75
25	88	86	87	89	89	89	85	84	84	76	74	75
26	87	86	87	90	88	89	85	83	84	77	74	75
27	88	85	86	90	90	90	84	83	83	---	---	---
28	91	85	87	90	89	89	85	82	83	---	---	---
29	92	85	90	89	89	89	84	83	83	---	---	---
30	---	---	---	89	89	89	84	82	83	---	---	---
31	---	---	---	90	89	90	---	---	---	---	---	---
Month	92	80	86	90	86	88	---	---	---	---	---	---

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**DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	83	82	83	82	82	82
2	---	---	---	---	---	---	83	83	83	83	82	83
3	---	---	---	---	---	---	83	80	82	83	82	82
4	---	---	---	---	---	---	81	80	81	83	82	82
5	---	---	---	---	---	---	82	80	81	84	82	82
6	---	---	---	---	---	---	84	80	81	83	82	82
7	---	---	---	---	---	---	83	80	81	83	82	82
8	---	---	---	---	---	---	81	80	81	83	82	82
9	---	---	---	---	---	---	82	80	81	82	82	82
10	---	---	---	---	---	---	81	79	80	82	81	81
11	---	---	---	---	---	---	82	79	80	83	81	82
12	---	---	---	---	---	---	82	81	81	83	82	83
13	---	---	---	---	---	---	81	80	81	83	82	82
14	---	---	---	---	---	---	83	80	81	83	82	82
15	---	---	---	---	---	---	82	80	81	83	82	82
16	---	---	---	---	---	---	81	80	80	83	82	83
17	---	---	---	---	---	---	81	80	80	83	82	83
18	---	---	---	82	81	81	81	80	81	83	82	82
19	---	---	---	81	81	81	81	80	81	83	81	82
20	---	---	---	83	81	81	81	80	81	83	82	82
21	---	---	---	82	81	81	81	80	81	83	82	82
22	---	---	---	81	81	81	81	80	81	83	82	82
23	---	---	---	81	81	81	81	80	81	83	82	83
24	---	---	---	82	81	81	80	79	80	83	82	82
25	---	---	---	83	81	82	81	80	80	83	82	82
26	---	---	---	83	82	83	81	80	81	83	82	82
27	---	---	---	83	83	83	81	80	81	83	82	82
28	---	---	---	83	82	83	82	80	81	83	82	82
29	---	---	---	83	82	82	82	80	82	83	82	82
30	---	---	---	82	82	82	82	81	82	83	82	83
31	---	---	---	83	82	82	82	81	82	---	---	---
Month	---	---	---	---	---	---	84	79	81	84	81	82